HD Satellite Finder Meter

USER'S MANUAL

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THE PROFESSIONAL EQUIPMENT----------|USER'S MANUAL|

Product Description

Using can receive DVB-S and DVB-S2 signal. It's very convenient for installer to catch quick and accurate alignment for antenna to the best position.

WS uses microprocessor controller with reliable and stable performance. When it is turned on , channel picture , signal strength and signal quality will be showed on LCD screen. And also big menu window can be selected for data figure.

WS displays EL/AZ, CBER/VBER, S/N, signal strength and lock sound alarm

WS can detect very weak signal and provide antenna power（OFF/13V/18V）. It's with auto

WS has the AV in and AV out function.
WS assist with key backlighting, flashlight

WS uses the 12V power adapter. It includes 8.4V3000mAH high capacity LI-ION battery which can work for more than 2 hours when it is fully charged.

1.GUIDE

1.1Panel keypads

NO.	Name	Function
1	MENU	To show main menu or return to previous menu
2	F1	Function Button
3	F2	Function Button
4	F3	Function Button
5	F4	Function Button
6	EXIT	To cancel selection or exit from current menu
7	◀▲▼▶OK	Arrow for Cursor Moving OK for Confirming
8	Mute	Sound On/Off Switching
9	SCAN	Quick search for DVB-S
10	M.INFO	Show 5 channels signal information for DVB-T
11	INFO	Show information of current program
12	0-9 Numerical Button	To input numer for setting parameters
13	Power Connection port	Port for power charging
14	USB Port	Port for Upgrading or connecting to multimedia
15	Flashlight holes	flashlight
16	Power Switch	Power Switch for machine power
17	LNB IN	Connecting to the dish for DVB-S
18	AV OUT	AV OUT
19	AV IN	AV IN
20	Power Indicator Light	The light is on when meter is turned on
21	22K Switch Indicator Light	22K Switch is on when it lights
22	13/18V Indicator Light	To show H/V switch output
23	Signal Lock Indicator Light	Locked signal when it lights
24	Charging Indicator Light	The light is on when it's charging and off when charging is completed.

1.2 Power On/Off

To turn on the meter when Power Switch moves to I position.

To turn off the meter when Power Switch moves to 0 position.

Please turn off the meter to charge the meter in time when system information for showing low power popes up.

1.3Power Supply and Battery

It's used with 12V 1.5A Power Adaptor. It charges through external power when battery is out of power.

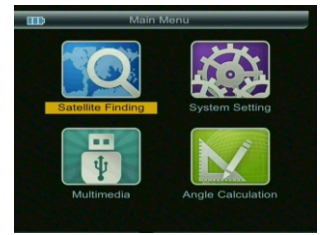
It's used with 8.4V 3000 mAH Lithium Battery. It needs 4 hours charging time by connecting power adaptor with external power or car charging. After it's full charge, it works for more than 5 hours (It also depends on the load of external antenna).

Notice: For initial charge, please make battery fully-charged(We suggest it charge for 8 hours).

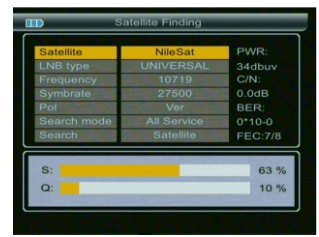
2.MENU

Press " MENU" key to enter into main menu, and

use Arrow key to move cursor, and then press "OK" key to select sub-menu.



2.1Satellite Find



2.1.1 Satellite

Press "OK " button to enter can be change the satellite name and the current frequency

2.1.2 LNB Type

Press "OK" button enter next menu

2.1.2.1 Motor

press ◄ ► button Select Motor mode.
(OFF、USALS、DisEqC 1.2)

2.1.2.2 LNB Power

press ◄ ► button Select LNB Power
(OFF、18、13、13/18)

2.1.2.3 LNB style

press ◄ ► button Select LNB style
(Single、UNIVERSAL、ONE CABLE)

2.1.2.4 The vibration frequency

press ◄ ► button Select vibration frequency
(5150、9750、10000、10050、10600、10750、11200、11250、11300、11475)

2.1.2.5 22Khz switchy

press ◄ ► button Select 22Khz switch (OFF、ON)

2.1.2.6 Switch type

press ◄ ► button Select Switch type
(None、DisEqC 1.0、DisEqC 1.1)

2.1.2.7 Frequency

Use the numerical button to input Freq Value for Down Freq

2.1.2.8 SymbRate

Use the numerical button to input Value for Symbol Rate

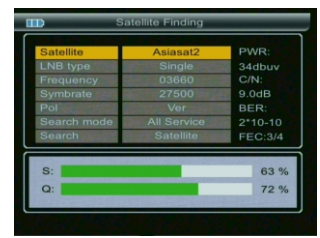
2.1.2.9 Pol

press ◄ ► button Select Polar Mode (VER、HOR)

2.1.2.9 Search Mode

press ◄ ► button Choose search method (ALL Service、FAT Only、TV Only)

Set parameters, and press "OK" button to enter the Sub-menu, and then align direction of antenna according to the interface parameters.



2.1.7 Search

press ◄ ► button choose search mode
(Satellite、Transporder) , press "OK" go to search

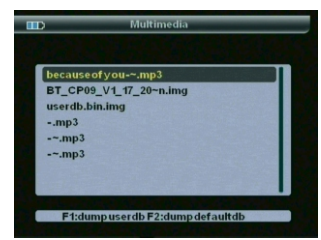
Program automatically save the search is complete return to the previous menu.

2.2 Multimedia

Media Player must be external memory into the USB port. Ortherwise , there will be USB Device is not Find screen.

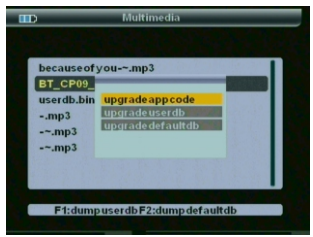
2.2.1 Play music in MP3 format

Press the done button to select MP3 songs , according to the ok button to play MP3



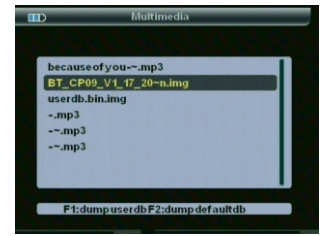
2.2.2 System upgrade

choose the file named “img” suffix press “OK” button, suggesting to upgrade “app” or “user ddb” , press up and down button , press ok confirmed,comfired once again prompted to confirm the upgrade , press “OK” button to start the upgrade , upgrade do not power off.

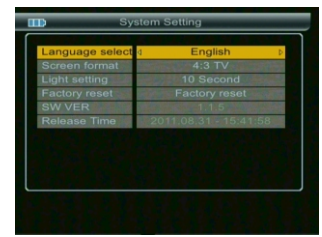


2.2.3 Download the current user database

Usb interface , press the F1 key , you can download the current user database 。according satellite tp tools to produce there own default satellite database



2.3 System setting



2.3.1 Language Select

Choose a kinds of menu languages

2.3.2 Screen format

screen output format slect （4：3TV、16：9TV）

2.3.3 Light setting

Button backlight delay slect switch
（OFF、5 Second、10 Second、20 Second）

2.3.4 Factory reset

Press “OK” key , software return back factory set

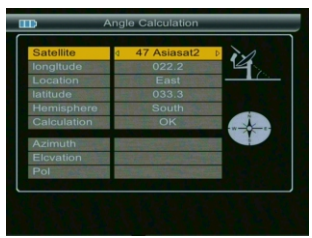
2.3.5 SW VER

display software version number

2.3.6 Release Time

display software setting time

2.4 Angle Calculation



2.4.1 Satellite

Press OK key , choose satellite

2.4.2 Longitude

enter local longitude by number key

2.4.3 Location

choose local west .east of position

2.4.4 Latitude & Hemisphere

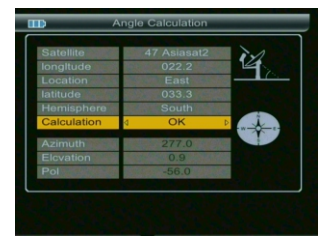
enter local latitude by number key

2.4.5 Hemisphere

choose local west .east of position

2.4.6 Calculation

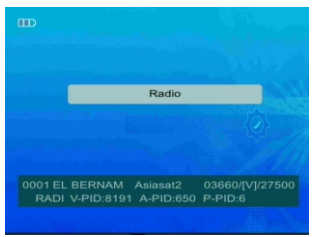
press the “OK” button to calculate the current parameters（Azimuh、Elcvation、POL）



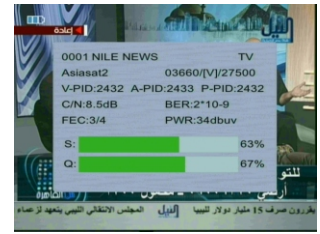
2.5 Shortcut Buttons

2.5.1 In the broadcase , press “OK” button to enter the lower menu , follow the prompts

2.5.2 in the broadcast, press the “TV/Radio” button , to achieve TV/Radio feature conversion。



2.5.3 In the broadcast , press “INFO” button to enter next menu, follow the prompts



★ 2.5.4 Press “F1”over 3 second OFF/ON flashlight.

2.5.5 Press “F2” button choose signal indicate voice for turn on or turn off

2.5.6 Press “MUTE” button to turn on or turn off the sound.

Specifications

System	Fully DVB compliant	yes
LNB input	connector	F type feminin
	frequency range	950MHz-2150MHz
	signal level	-65dBm~-25dBm
	LNB power supply	13/18V, max 350mA
	LNB switch control	22KHz
	DiSEqC	Ver 1.0/ 1.1/1.2
Demodulator	Front end	QPSK(S);QPSK,8PSK, 16APSK,32APSK(S2)
	Modulation range	2Mbps~45Mbps
	SCPC OR MCPC	both yes
System resource	processor	32bit processor (133MHz)
	FLASH	8Mbyte (64MHz)
	SDROM	16*16Mbyte (DDR1)
	Data rate speed	up to 15M bits/s
	Resolution	720*576,720*480
	Vedio format	PAL/NTSC/SECAM
	Type	Mono
	sampling rates	32,44.1 48KHz
Data interface	connector	USB
Power supply	LI-ION battery	3000 mA
	Supply voltage	8.4Volt
	Charger	100-220V
Physical characteritics	Mesurement	9.5x15.5x4.5 (cm)
	Weight(net weight)	0.5 Kg

Handing Precautions and Prohibitions of Battery in Sat Meter

Warning:

一、 You are using Lithimum ion batteries and Lickel metal hydride batteries.So Please don't work under high temprature or high pressure condition. If the following items happened,abnormal chemical reaction mey occur which will lead to the battery overheat,emit smoke,ignite and/or burst.

1.Incinerate and dispose the battery in fire or heat it.
2.Pierce the battery with a nail or other sharp objects. Strike it with a hammer or step on it.
3.Immerse the batttery with water or connect the positive (+) and negative
4.Connect the positive (+) and negative (-)terminals with other metal objects, such as necklaces hair pins and so on.

The battery is only applicable to the charger which supplied or appointed by the manufacturer of this machine.

(二) The battery is only applicable to the charger which supplied or appointed by the manufacturer of this machine.

1.The battery should be stored within a temprature range of 0℃ to 40℃.
2.The battery is expendable. When stored for a long time, charge the battery at least once per half month so as to prevent over discharge.

Handling:

Please use the battery only supplied by the manufacturer, otherwise it will destroy the battery.
Please do not put the battery in fire or dispose it together with garbage.
Please contact the waste administrative institute to cope with waste battery carefully.

5.Product Standard Package

AV lable

Car chargercable

Power

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